

## II. REMARKS

### A. Introduction

In this Office Action claims 1-31 are noted as pending and are rejected.

In this Response the specification is amended to a minor extent to update the priority claim and to improve clarity/spelling/grammar, claims 1-4 and 16-31 are canceled, independent claims 5, 7, 9, 11, 12 and 14 are amended, new claims 32-57 are added to afford a differing scope of protection for the invention to which the applicants are entitled, and remarks are provided.

### B. New Claims

New dependent claims 32-37 recite the battery as a button-type as shown in Figs. 8-13 and described in the related written description.

New dependent claims 38-43 recite the configuration of various embodiments of the at least one conductive member as described at, e.g., paragraphs 45 and 47 of the present application.

New dependent claims 44 and 45 recite the orientation of the battery axis relative to the axis of the cylindrical case, as described at paragraphs 47 and 48.

New dependent claims 46-51 recite the recesses previously recited in, e.g., claim 3 and shown in, e.g., Figs. 2, 6 and 7.

New claims 52-57 recite an electrical connection to the cylindrical conductive portion as shown in Fig. 6 and described at numbered paragraph 42.

### C. Request for Acknowledgement of Information Disclosure Statements

Information Disclosure Statements were filed October 6, 2003 and July 22, 2004, copies attached with copies of date-stamped postcard and facsimile transmittal, respectively. It is believed that the USPTO's PAIR acknowledges receipt of same, as indicated on the attached printout of the relevant webpage.

It is respectfully requested that the PTO-1449's attached to these Information Disclosure Statements being countersigned by the Examiner and returned to the undersigned.

The Examiner's attention to this matter is appreciated.

D. Rejection of Claims 9 and 11 Under 35 U.S.C. § 112, Second Paragraph

These claims have been rejected for lacking antecedent basis. These claims have been amended appropriately herein and are believed to fully comply with Section 112.

E. Rejection of Claims 1-31 Under 35 U.S.C. §§ 102/103

Claims 1-4 and 22-25 are rejected as being anticipated by Tsuzaki et al. The remaining claims 5-21 and 26-31 are rejected as being made obvious by a combination of Tsuzaki et al. and Ito.

As noted above, claims 1-4, 16-25 and 30-31 are canceled so the rejections thereof are moot. However, for the following reasons, it is respectfully submitted that the present invention, as recited by amended claims 5-15, 26-29 and 32-57, was neither anticipated nor rendered obvious by the cited art.

Tsuzaki et al. relates to a motor having a weight thereon to generate a vibration alarm for a cellular phone, or the like. See, e.g., Col. 1, lines 8-11 and 33. This reference teaches the use of first and second terminal plates 4 and 5, the latter of which includes an extension 5a which externally connects to a cylindrical case 6 so that the latter serves as an electrode.

Tsuzaki et al. differs from the present invention, as recited by the independent claims, in at least the following significant regards.

The present invention is directed to a removable motor for a toy vehicle (see, e.g., numbered paragraphs 54, first line, and 56, second to last line), whereas the Tsuzaki et al. vibration motor is for a cell phone alarm, as noted above. There is no suggestion in Tsuzaki et al. that the vibration motor (weight on the motor shaft) can be used to power a toy vehicle, and it is questioned whether such a vibratory motor could be so used.

In Tsuzaki et al. the electric power supply terminal (2) that connects to the power source (Col. 4, lines 4-8) has a projection that is simply received within an opening in the insulative member 1a of the bracket 1 (which is defined as including a first bracket portion 1a and a second bracket portion 1b). See Figs. 1, 5 and 9 and Col. 3, lines 11-14. The projection on terminal 2 does not appear to contact the bracket portion 1a in the opening. This opening and clearance is likely necessarily to allow for the spot welding (Col. 3, line 28) of the projection of member 2 to the terminal plate 4, with the bracket 1a therebetween, during assembly of the overall bracket 1.

The present invention relies upon the first electrode/electrical terminal 41 being in lateral

contact with the insulative member 4 to provide support and therefore rigidity thereto. See, e.g., Figs. 5-7 and page 8, numbered paragraph 56.

Also, the projection of Tsuzaki et al. does not extend through the bracket 1 (Fig. 1), only through the bracket portion 1a, as it terminates at terminal plate 4. According to the present invention the first electrode/electrical terminal extends through the end case/small case body.

Further, the first electrode (first conductive piece 41) of the present invention extends substantially in a direction parallel to the axis of the cylindrical conductive member, whereas with Tsuzaki et al., the electric power supply terminal (2) is substantially planar and extends perpendicular to the axis of the cylindrical case (6). See, e.g., Figs. 1, 2, 4 and 5.

New dependent claims 52-57 recite a conductive piece extending between the exterior of the insulative small case body (end case) and the interior of the cylindrical conductive portion.

In Tsuzaki et al., the connection (5a) between an electrode and the conductive case (6) is spot welded (Col. 3, line 30) to the exterior of the case (6). With the present invention, this electrical connection extends between the exterior of the insulated small case member (4) and the interior of the conductive cylindrical case (6). This structure leads to easier assembly because Tsuzaki et al.'s soldering is not required to electrically connect the cylindrical case. Further, by having the connection on the interior, the electrical connection is less likely to be damaged when the motor is removed and replaced. See, e.g., paragraph 56, line 7.

It is not believed that Tsuzaki et al. similarly suggests catching an electrical connection between the respective walls of the conductive cylindrical case and insulative end case. Such would require modification of the terminal plate 5 which is not contemplated by Tsuzaki et al. Also, the bracket 1a does not include any structure for receiving such an intermediary connection, unlike the present invention which shows in Fig. 6 the space between the interior of the insulated member 4 and the cylindrical conductive portion 6, near the recess 5, for this purpose.

In light of the above, it is respectfully submitted that Tsuzaki et al. fails to disclose each and every feature recited in the above-discussed claims. Thus, the question under Graham v. John Deere is whether Itou compensates for the shortcomings in Tsuzaki et al., and offers a motivation for making any required substitutions to arrive at the presently recited invention. It is respectfully submitted that the answer is no.

Itou merely shows a way to connect and disconnect electrically a battery and a motor by engaging/disengaging a motor housing from a battery housing. Two motor end terminals 13 and 10 are engaged with terminals on a battery by rotating the battery housing. This structure, unlike Tsuzaki et al. is applied to a toy, but still fails to teach at least the combination of recited

features described above regarding the structure of the first and second electrodes of the motor/motor unit of the present invention.

III. CONCLUSION

In light of the above amendments and remarks, it is respectfully submitted that claims 5-15 and 32-57 are now in condition for allowance.

If there are any additional fees associated with this Response, please charge same to our Deposit Account No. 19-3935.

Finally, if there are any formal matters remaining after this Response, the undersigned would appreciate a telephone conference with the Examiner to attend to these matters.

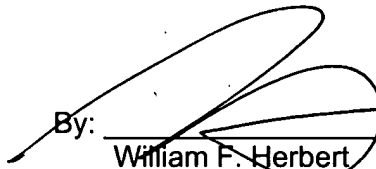
Respectfully submitted,

STAAS & HALSEY LLP

Date: \_\_\_\_\_

*2/4/05*

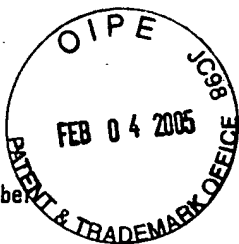
By: \_\_\_\_\_



William F. Herbert  
Registration No. 31,024

1201 New York Avenue, NW, Suite 700  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501

Confirmation Report - Memory Send



Page : 001  
Date & Time: Jul-22-04 05:45pm  
Line 1 : +  
Line 2 : +  
Machine ID : STAAS & HALSEY

Job number : 242  
Date : Jul-22 05:40pm  
To : 7038729306  
Number of pages : 017  
Start time : Jul-22 05:40pm  
End time : Jul-22 05:45pm  
Pages sent : 017  
Status : OK

Job number : 242

\*\*\* SEND SUCCESSFUL \*\*\*

LAW OFFICES  
STAAS & HALSEY LLP

Telephone  
(202) 434-1500

1201 New York Ave., N.W.  
Suite 700  
Washington, D.C. 20005

Facsimile  
(202) 434-1501

FACSIMILE TRANSMISSION

July 22, 2004

TO : U.S. Patent and Trademark Office  
ATTN: Examiner Karen B. Addison  
FAX NOS.: 703-872-9306; 703-305-3431  
FROM: William F. Herbert  
RE: U.S. Continuation Application  
SERIAL NO.: 10/678,258

TELEPHONE:

OUR DOCKET: 1419.1045C

NO. OF PAGES (Including this Cover Sheet) 17

PRIVILEGED & CONFIDENTIAL

The information contained in this communication is confidential, may be attorney-client privileged, and is intended only for the use of the addressee(s). Unauthorized use, disclosure or copying is strictly prohibited. If there are any problems with this transmission, please contact us immediately.

COMMENTS:

LEGITIMATE OF FACSIMILE TRANSMISSION  
I hereby certify that this correspondence is being trans-  
mitted via facsimile to: Commissioner for Patents,  
P.O. Box 1450 Alexandria, VA 22313-1450  
on 7/22/04  
By: William F. Herbert  
Date: 7/22/04



3. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(c) after the period specified in paragraph 2 above but before the mailing date of any of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND

*(Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)*

- 3a. ☐ The §1.97(e) Statement in Item 5 below is applicable; OR  
3b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:  
☐ enclosed.  
☐ to be charged to Deposit Account No. 19-3935.

4. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(d) after the period specified in paragraph 3 above, but on or before payment of the Issue Fee, AND

- 4a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; AND  
4b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:  
☐ enclosed.  
☐ to be charged to Deposit Account No. 19-3935.

5. ☐ Statement under § 1.97(e) *(applicable if Item 3a or Item 4a is checked)*

*(Check either Item 5a or 5b)*

- 5a. ☐ In accordance with 37 CFR § 1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.  
5b. ☐ In accordance with 37 CFR § 1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

6. ☒ This is a continuation/divisional/continuation-in-part application under 37 CFR § 1.53(b).

*(Check appropriate Items 6a and/or 6b)*

- 6a. ☒ Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No. 09/734,703, filed on December 13, 2000, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to 37 CFR § 1.98(d).  
6b. ☐ Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No. \_\_, filed on \_\_, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, are provided herewith.

7. ☐ This is a continuation/divisional application under 37 CFR § 1.53(d) or a Request for Continued Examination under 37 CFR 1.114.

*(Check either Item 7a or 7b)*

- 7a. ☐ The Issue Fee has not been paid.  
7b. ☐ A Petition to Withdraw from issue under 37 CFR § 1.313(c) is filed concurrently herewith or has been granted. A continuation/divisional application under 37 CFR § 1.53(d) or a Request for Continued Examination under 37 CFR 1.114, after payment of the Issue Fee, is proper in accordance with 37 CFR § 1.53(d)(1)(ii) or 37 CFR 1.114(a), respectively.

8. ☐ This is a Supplemental Information Disclosure Statement.

*(Check either Item 8a or 8b)*

- 8a. ☐ This Supplemental Information Disclosure Statement under 37 CFR § 1.97(f) supplements the Information Disclosure Statement filed on \_\_\_\_\_. A bona fide attempt was made to comply with 37 CFR § 1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on \_\_\_\_\_.  
8b. ☐ This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR § 1.97 and 1.98, mailed \_\_\_\_\_.

9. ☒ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:

*(Check appropriate Items 9a, 9b, 9c and/or 9d)*

- 9a. ☐ satisfied because all non-English language publications were cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, 8th Ed.)  
9b. ☒ set forth in the parent application identified above.  
9c. ☐ satisfied because an English language translation (complete or relevant portion(s)) is attached to each non-English language publication.  
9d. ☐ enclosed as Attachment 1(e), hereto.

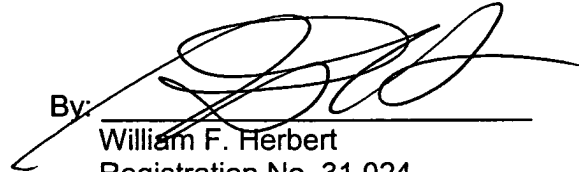
10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR § 1.17 for this Information Disclosure Statement to Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Dated: 7/22/04  
1201 New York Ave., N.W., Suite 700  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501

By:   
William F. Herbert  
Registration No. 31,024



Sheet 1 of 1

|                                                                                       |                                                            |                                                    |                               |
|---------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|-------------------------------|
| FORM PTO-1449                                                                         | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO.<br>1419.1045C                  | APPLICATION NO.<br>10/678,258 |
| <b>LIST OF REFERENCES CITED BY APPLICANT</b><br><br>(Use several sheets if necessary) |                                                            | FIRST NAMED INVENTOR<br>Takashi KIKUCHIHARA et al. |                               |
|                                                                                       |                                                            | FILING DATE<br>October 6, 2003                     | GROUP ART UNIT<br>2834        |

**U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE    | NAME            | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|----------------------|----|-----------------|---------|-----------------|-------|---------------|----------------|
|                      | AA | 3,733,744       | 5/22/73 | Hiltbold et al. |       |               |                |
|                      | AB | 3,827,181       | 8/6/74  | Mabuchi         |       |               |                |
|                      | AC | 3,977,758       | 8/31/76 | Mabuchi         |       |               |                |

**FOREIGN PATENT DOCUMENTS**

|  |    | DOCUMENT<br>NO. | DATE    | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO |  |
|--|----|-----------------|---------|---------|-------|---------------|-----------------------|--|
|  | AD | 10-84649        | 3/31/98 | Japan   |       |               |                       |  |
|  | AE | 10-84650        | 3/31/98 | Japan   |       |               |                       |  |
|  | AF | 11-98756        | 4/9/99  | Japan   |       |               |                       |  |

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

|  |    |                                                                                       | TRANSLATION<br>YES NO |  |
|--|----|---------------------------------------------------------------------------------------|-----------------------|--|
|  | AG | British Search Report dated June 14, 2001 in corresponding GB Appln. No. 0030795.9    |                       |  |
|  | AH | Belgium Search Report dated November 21, 2001 in corresponding appln. no. 2000/0801   |                       |  |
|  | AI | French Search Report dated October 29, 2001 in corresponding appln. no. 0016653       |                       |  |
|  | AJ | Netherlands Search Report dated October 29, 2001 in corresponding appln. no. 1016941  |                       |  |
|  | AK | British Examination Report dated August 27, 2002 in corresponding GB appln. 0030795.9 |                       |  |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

Please Date Stamp and return



Please Date Stamp and return

Continuing (1.53(b)) Utility Patent Appln. Transmittal (2 pp.), New Appln. Fee Transmittal (1 pg), Specification (12 pgs.) including claims (3 pgs.); abstract (1 pg.)); Drawings (10 sheets with. Figs. 1-13); Declaration (1 pg.); IDS Form 1449 (4 pp.), PTO 1449 (1 pg), and check for filing \$1028 (\$770 filing fee and \$258 extra independent claims fee)

APPLICANT(S): Takashi KIKUCHIHARA et al.

SERIAL NO:

CONFIRMATION NO.

TITLE: MOTOR AND ATTACHMENT STRUCTURE

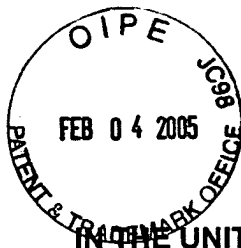
FILING DATE: October 6, 2003

DOCKET NO: 1419.1045C/WFH:cee

DUE DATE:



(19)



Attorney Docket No. 1419.1045C

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Takashi KIKUCHIHARA et al.

Application No.:

Group Art Unit:

Filed:

Examiner:

For: MOTOR AND ATTACHMENT STRUCTURE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☐ Copies of IDS citations.
- 1c. ☐ An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report.
- 1d. ☐ English language translation (complete or relevant portion(s)) attached to each non-English language publication.
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication.
- 1f. ☐ List of Copending Applications (ATTACHMENT 1(f), hereto).
- 1g. ☐ List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).

2. ☒ This Information Disclosure Statement is filed under 37 CFR §1.97(b):

*(Check either Item 2a or 2b or 2c or 2d)*

- 2a. ☒ Within three months of the filing date of a national application other than a Continued Prosecution Application under § 1.53(d);
- 2b. ☐ Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application.
- 2c. ☐ Before the mailing of a first Office Action on the merits; or
- 2d. ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.

3. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(c) after the period specified in paragraph 2 above but before the mailing date of any of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND

*(Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)*

- 3a. ☐ The §1.97(e) Statement in Item 5 below is applicable; OR  
3b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:  
☐ enclosed.  
☐ to be charged to Deposit Account No. 19-3935.

4. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(d) after the period specified in paragraph 3 above, but on or before payment of the Issue Fee, AND

- 4a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; AND  
4b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:  
☐ enclosed.  
☐ to be charged to Deposit Account No. 19-3935.

5. ☐ Statement under § 1.97(e) (*applicable if Item 3a or Item 4a is checked*)

*(Check either Item 5a or 5b)*

- 5a. ☐ In accordance with 37 CFR § 1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.  
5b. ☐ In accordance with 37 CFR § 1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

6. ☒ This is a continuation/divisional/continuation-in-part application under 37 CFR § 1.53(b).

*(Check appropriate Items 6a and/or 6b)*

- 6a. ☒ Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No. 09/734,703, filed on December 13, 2000, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to 37 CFR § 1.98(d).  
6b. ☐ Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No. \_\_\_, filed on \_\_\_, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, are provided herewith.

7. ☐ This is a continuation/divisional application under 37 CFR § 1.53(d) or a Request for Continued Examination under 37 CFR 1.114.

*(Check either Item 7a or 7b)*

- 7a. ☐ The Issue Fee has not been paid.  
7b. ☐ A Petition to Withdraw from issue under 37 CFR § 1.313(c) is filed concurrently herewith or has been granted. A continuation/divisional application under 37 CFR § 1.53(d) or a Request for Continued Examination under 37 CFR 1.114, after payment of the Issue Fee, is proper in accordance with 37 CFR § 1.53(d)(1)(ii) or 37 CFR 1.114(a), respectively.

8. ☐ This is a Supplemental Information Disclosure Statement.

*(Check either Item 8a or 8b)*

- 8a. ☐ This Supplemental Information Disclosure Statement under 37 CFR § 1.97(f) supplements the Information Disclosure Statement filed on \_\_\_\_\_. A bona fide attempt was made to comply with 37 CFR § 1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on \_\_\_\_\_.  
8b. ☐ This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR § 1.97 and 1.98, mailed \_\_\_\_\_.

9. ☐ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:

*(Check appropriate Items 9a, 9b, 9c and/or 9d)*

- 9a. ☐ satisfied because all non-English language publications were cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, 8th Ed.)  
9b. ☐ set forth in the application.  
9c. ☐ satisfied because an English language translation (complete or relevant portion(s)) is attached to each non-English language publication.  
9d. ☐ enclosed as Attachment 1(e), hereto.

10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR § 1.17 for this Information Disclosure Statement to Deposit Account No. 19-3935.

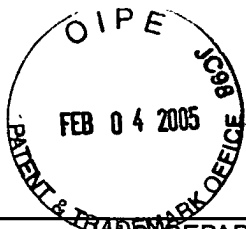
Respectfully submitted,

STAAS & HALSEY LLP

Dated: 12/6/03  
1201 New York Ave., N.W., Suite 700  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501

By: 

William F. Herbert  
Registration No. 31,024



Sheet 1 of 1

|                                                                                                                                                                          |                                                           |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------|
| FORM PTO-1449<br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br><b>LIST OF REFERENCES CITED BY APPLICANT</b><br><br>(Use several sheets if necessary) | ATTORNEY DOCKET NO.<br><b>1419.1045C</b>                  | APPLICATION NO. |
|                                                                                                                                                                          | FIRST NAMED INVENTOR<br><b>Takashi KIKUCHIHARA et al.</b> |                 |
|                                                                                                                                                                          | FILING DATE                                               | GROUP ART UNIT  |

**U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE       | NAME            | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|----------------------|----|-----------------|------------|-----------------|-------|---------------|----------------|
|                      | AA | 5,621,260       | 04/15/1997 | Fukuoka et al.  |       |               |                |
|                      | AB | 5,889,349       | 03/20/1999 | Yasuda          |       |               |                |
|                      | AC | 4,005,320       | 01/25/1997 | Mabuchi et al.  |       |               |                |
|                      | AD | 5,835,006       | 11/10/1998 | Michalak et al. |       |               |                |
|                      | AE | 5,986,367       | 11/16/1999 | Tsuzaki et al.  |       |               |                |
|                      | AF | 5,343,102       | 8/30/94    | Mabuchi et al.  |       |               |                |

**FOREIGN PATENT DOCUMENTS**

|  |    | DOCUMENT<br>NO. | DATE       | COUNTRY        | CLASS | SUB-<br>CLAS<br>S | TRANSLATION<br>YES NO |  |
|--|----|-----------------|------------|----------------|-------|-------------------|-----------------------|--|
|  | AG | 1 375 723       | 1/27/1974  | United Kingdom |       |                   |                       |  |
|  | AH | 1 278 362       | 06/21/1972 | United Kingdom |       |                   |                       |  |
|  | AI | 2 313 427       | 11/26/1997 | United Kingdom |       |                   |                       |  |
|  | AJ | 0545698A2       | 06/09/1993 | EPO            |       |                   |                       |  |
|  | AK |                 |            |                |       |                   |                       |  |
|  | AL |                 |            |                |       |                   |                       |  |

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

|  |    |                                                                                                                                                                                                                 | TRANSLATION<br>YES NO |  |
|--|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--|
|  | AM | IBM Technical Disclosure Bulletin, Vo. 30, No. 9, 09-02-1988 pp. 138-139.                                                                                                                                       |                       |  |
|  | AN | J. King, et al., "Vibrator Motor Bracket Used Multifunctionally As Negative Cell Fixed Contact", Motorola Technical Developments, Motorola Inc., Schaumburg, Illinois, Vol., 11, October 1990, page XP000178644 |                       |  |

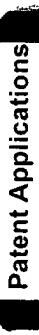
|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|



## United States Patent and Trademark Office

[Home](#) | [Site Index](#) | [Search](#) | [Guides](#) | [Contacts](#) | [eBusiness](#) | [eBiz alerts](#) | [News](#) | [Help](#)

## Patents



## Patent Application Information Retrieval

[Patent Application Information \(PAIR\)](#)[PAIR Frequently](#)[Asked Questions](#)[PAIR Help](#)[Search](#)[Class/Subclass/GAU](#)[Manual of Patent](#)[Classification](#)[Secure eBusiness](#)[Patent EBC](#)[Customer Numbers](#)[Digital Certificates](#)[Electronic Filing](#)[Private PAIR](#)[Glossary](#)[Patent eBusiness](#)[Support/Help](#)[System Alerts](#)[Viewer Download:](#)[PDF](#)

## Patent Information

[About Patents](#)[Manual of Patent](#)[Examining Procedure](#)[Patent Assistance](#)[Center](#)[Employee Locator](#)[Search](#)[Valid Location Codes](#)[Telephone Directory](#)[Fees](#)[Pay online \(RAM\)](#)[Inventor Resources](#)[News, Federal](#)[Register & OG Notices](#)[PTD program -](#)[libraries near you](#)[Registered Patent](#)[Attorneys & Agents](#)

Select Search

Enter Number:

Method:

Application Number

SUBMIT

[Order Certified Application As Filed](#)  
[Order Certified File Wrapper](#)  
[View Order List](#)

10/678,258

Motor and attachment structure

[Application Transaction Data](#) | [Image File Wrapper](#) | [Continuity Data](#) | [Foreign Priority](#) | [Published Documents](#) | [Publication Dates](#)

| Date       | Contents Description                         |
|------------|----------------------------------------------|
| 08-06-2004 | Preliminary Amendment                        |
| 08-06-2004 | Workflow incoming amendment IFW              |
| 07-22-2004 | Reference capture on IDS                     |
| 07-22-2004 | Information Disclosure Statement (IDS) Filed |
| 07-22-2004 | Preliminary Amendment                        |
| 07-22-2004 | Workflow incoming amendment IFW              |
| 02-02-2004 | IFW TSS Processing by Tech Center Complete   |
| 02-02-2004 | Case Docketed to Examiner in GAU             |
| 10-06-2003 | Information Disclosure Statement (IDS) Filed |
| 10-06-2003 | Reference capture on IDS                     |
| 12-29-2003 | Application Return from OIPE                 |
| 12-30-2003 | Application Is Now Complete                  |
| 12-29-2003 | Pre-Exam Office Action Withdrawn             |

